

Applicant : Bernhard Boland et al
Serial No. : Not Yet Assigned
Filed : Herewith
Page : 3 of 9

Attorney's Docket No.: 02894-716US1 / 06647-

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A brush part for an electric toothbrush, the brush part comprising with
a carrier tube; ~~(4) movably mounting therein~~
a drive translator movably mounted within the carrier tube and ~~(23)~~ adapted to be coupled to a drive ~~(7, 11, 12)~~ in ~~the~~ an electric toothbrush handle part~~[[,]]~~; and
~~with a movably mounted~~ bristle carrier ~~(6) mounting~~ movably mounted to the carrier tube and carrying a set of bristles, the bristle carrier ~~(20) and being~~ adapted to be driven in an oscillatory manner by the drive translator; ~~(23)~~;
~~characterized in that~~ wherein the drive translator defines an interior fluid supply channel forming part of a fluid path providing fluid communication ~~provision is made for a pressure fluid device for applying fluid under pressure to the teeth to be cleaned and/or to the bristle set (20), with a pressure fluid supply being arranged in the interior of the drive translator (23).~~

2. (Currently Amended) The brush part according to claim 1 wherein the drive translator ~~(23)~~ is constructed as a hollow shaft mounted in the carrier tube ~~(4)~~ for rotation about its a longitudinal axis of the drive translator, and having at its an end close to thereof ~~the handle part~~ a coupling member ~~(25) for coupling~~ configured to couple the drive translator to a drive element ~~(12)~~ of the handle part, said coupling member ~~(25)~~ comprising a fluid coupling through which the fluid channel ~~(32) in the interior of the hollow shaft~~ drive translator is connectible with a fluid channel ~~(18)~~ in the interior of the drive element ~~(12)~~ of the handle part.

3. (Currently Amended) The brush part according to ~~any one of the preceding claims~~ claim 1 wherein the ~~pressure fluid device comprises~~ fluid supply channel of the drive translator provides fluid communication to a pressure fluid outlet orifice ~~(30)~~, ~~in particular an outlet nozzle, defined~~ in the movable bristle carrier ~~(6)~~, ~~preferably in the area of the bristle set (20)~~, said orifice communicating with a pressure fluid supply channel ~~in the interior of~~ defined in

a bearing pin (22) of the bristle carrier (6), and said bristle carrier (6) being preferably mounted for rotation on the carrier tube (4) by means of a pivot pin of hollow construction.

4. (Currently Amended) The brush part according to ~~any one of the preceding~~ claims claim 1 wherein the carrier tube (4) ~~has in its wall~~ defines a pressure fluid supply channel (29) connecting ~~preferably the pressure fluid supply channel in of~~ the drive translator (23) with a pressure fluid channel defined in the bristle carrier (6), ~~in particular terminating with its one end in a bearing section (28) for carrying the drive translator (23) and with its other end in a bearing section for carrying the bristle carrier (6).~~

5. (Currently Amended) The brush part according to ~~any one of the preceding~~ claims claim 1 wherein the pressure path providing fluid communication to the bristle carrier is free of fluid supply dispenses with separate flexible tubes and/or is formed exclusively in the interior of functional components of the brush part that serve other functions in addition to providing hydraulic communication.

6. (Currently Amended) A The handle part of an electric toothbrush configured to drive a removable brush part, the handle part comprising , with

a handle part housing;

a motor having a motor shaft, wherein the motor is located within the handle part housing; (7) which drives in a preferably oscillatory manner

a drive element (12) operably connected to the motor and adapted to be coupled to a drive element (23) in the brush part; via

a gear step configured to couple the drive element to a drive element of the brush part; (11), in particular a four bar linkage, and with

a pressure fluid conveying device (10) driven by operably connected to the motor, wherein characterized in that the pressure fluid conveying device (10) defines a fluid outlet and

is ~~seated~~ located between the motor (7) and the gear step (11); and ~~is driven, together with the gear step (11), by~~

a common drive element (9) that drives the pressure fluid conveying device together with the gear step.

7. (Currently Amended) The handle part according to ~~the preceding claim 6, the handle part further comprising pressure fluid conveying device (10) is seated on an~~

a first eccentric element (9) connected to the motor shaft, wherein the pressure fluid conveying device is seated on the eccentric element; and carries an

a second eccentric element (9) located on the pressure fluid conveying device for driving the gear step (11).

8. (Currently Amended) The handle part according to ~~any one of the preceding claims~~ claim 6 wherein the ~~the~~ pressure fluid conveying device is an air pump (10).

9. (Currently Amended) The handle part according to ~~any one of the preceding claims~~ claim 6 wherein the drive element (12) ~~drivable in oscillatory manner has in its interior defines~~ a pressure fluid channel (18) in fluid communication ~~communicating~~ with the pressure fluid conveying device (10) ~~and is constructed preferably as a rotatably mounted hollow shaft.~~

10. (Currently Amended) The handle part according to ~~any one of the preceding claims~~ claim 6 wherein the drive element (12) ~~drivable in oscillatory manner includes~~ comprises a coupling member (19) ~~for coupling~~ configured to couple to a drive element (23) in the brush part, ~~said coupling member (19) comprising a fluid coupling.~~

11. (Currently Amended) The handle part according to ~~any one of the preceding claims~~ claim 6, wherein the drive element (12) ~~drivable in oscillatory manner is connected to the fluid outlet (14) of the pressure fluid conveying device (10) through~~ the handle part further comprising

a flexible tube (15), connecting the drive element to the fluid outlet defined in the pressure fluid conveying device; and said drive element (12) being preferably drivable by means of

a connecting rod (17) ~~and for driving the drive element, wherein the flexible tube (15) being connected to the connecting rod is in fluid communication with the flexible tube (17) which has in its interior a pressure fluid channel (16) communicating with the pressure fluid channel (18) in the drive element (12) drivable in oscillatory manner.~~

12. (Currently Amended) The handle part according to ~~any one of the preceding claims~~ claim 6 wherein the pressure fluid conveying device (10) ~~has~~ comprises a pump casing separate from the handle part housing (2), ~~being in particular constructed as a separate assembly.~~

13. (Currently Amended) The handle part according to ~~any one of the preceding claims~~ claim 6 wherein ~~on~~ the handle part housing (2) ~~provision is made for~~ further comprises

a connector (13) for the releasable fastening of a carrier tube (4) of ~~a~~ the brush part (3), said connector (13) being ~~constructed to be~~ free from a drive coupling and free from a pressure fluid coupling.

14. (Canceled)

15. (New) The brush part according to claim 3 wherein the pressure fluid outlet orifice defined in the movable bristle carrier is located in the bristle set.

16. (New) The brush part according to claim 1, the brush part further comprising a pivot pin defining a hollow core, configured to rotatably mount the bristle carrier on the carrier tube.

17. (New) The brush part according to claim 4 wherein the pressure fluid channel defined in the bristle carrier has first and second ends, the first end terminating in a bearing

section for carrying the drive translator and the second end terminating in a bearing section for carrying the bristle carrier.

18. (New) A replacement brush head configured to be received by an electric toothbrush handle, the brush head comprising

a carrier tube;

a drive translator movable within the carrier tube and having a first end configured to be operably coupled to a drive of the electric toothbrush handle;

a bristle carrier movably mounted on the carrier tube and carrying a set of bristles (20), the bristle carrier operably connected to, and adapted to be driven in oscillatory manner by, the drive translator;

wherein the drive translator defines a passage therein, the passage forming a part of a fluid supply channel providing fluid communication between the first end of the drive translator and the bristle carrier, such that fluid pumped into the drive translator from the electric toothbrush handle is delivered to the bristle carrier.

19. (New) The handle part of claim 6 wherein the motor drives the drive element in an oscillatory manner.

20. (New) The handle part of claim 6 wherein the gear step comprises a four-bar linkage.

21. (New) The handle part of claim 9 wherein the pressure fluid channel is defined in a rotatably mounted hollow shaft.

22. (New) The handle part of claim 10 wherein the coupling member comprises a fluid coupling.